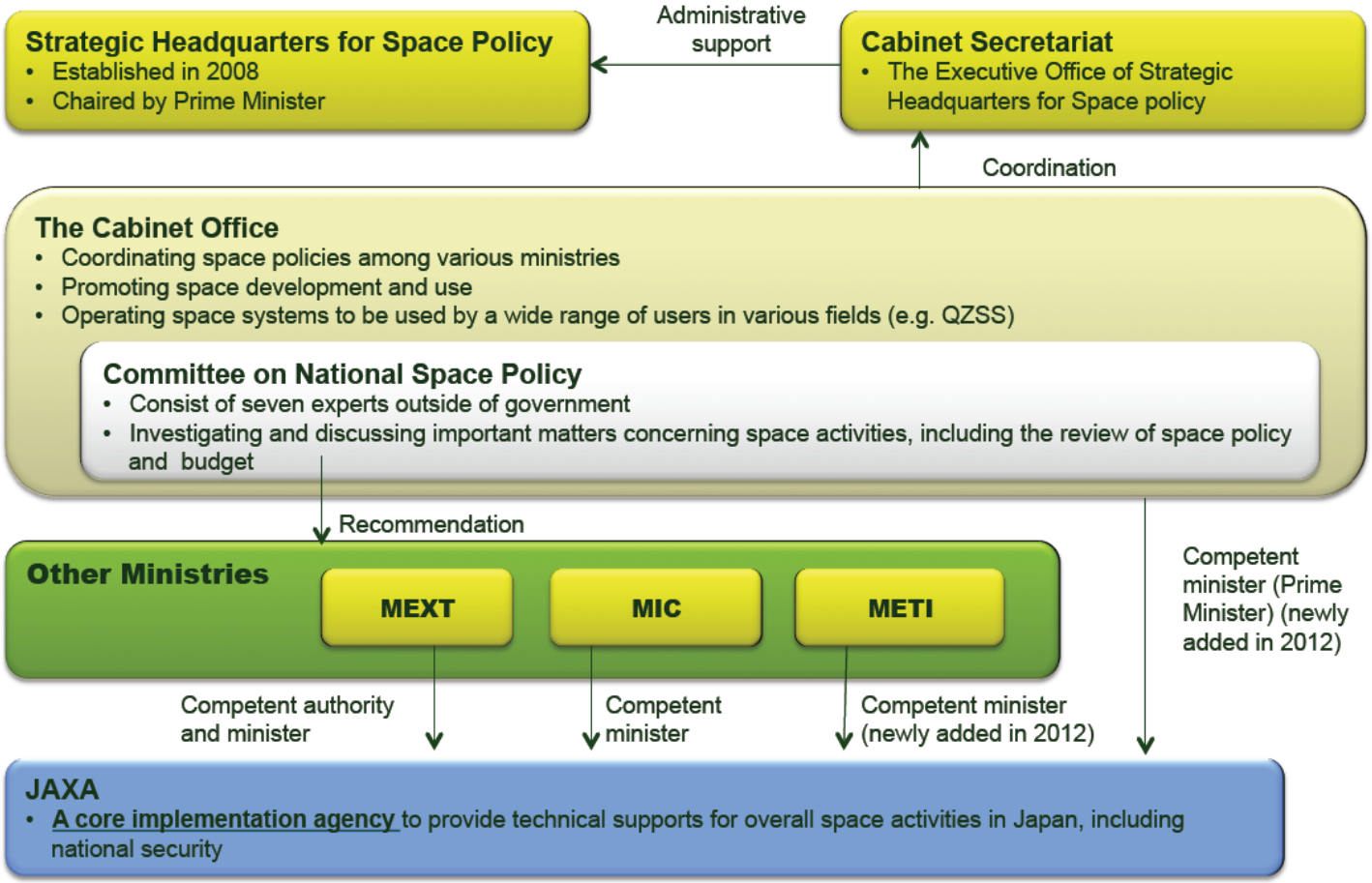
Japanese Space Program Structure



© 2016.09 EU-Japan Centre for Industrial Cooperation

New approach to space technoloy





ICEYE
0.4x0.4x3m
50kg
1M$

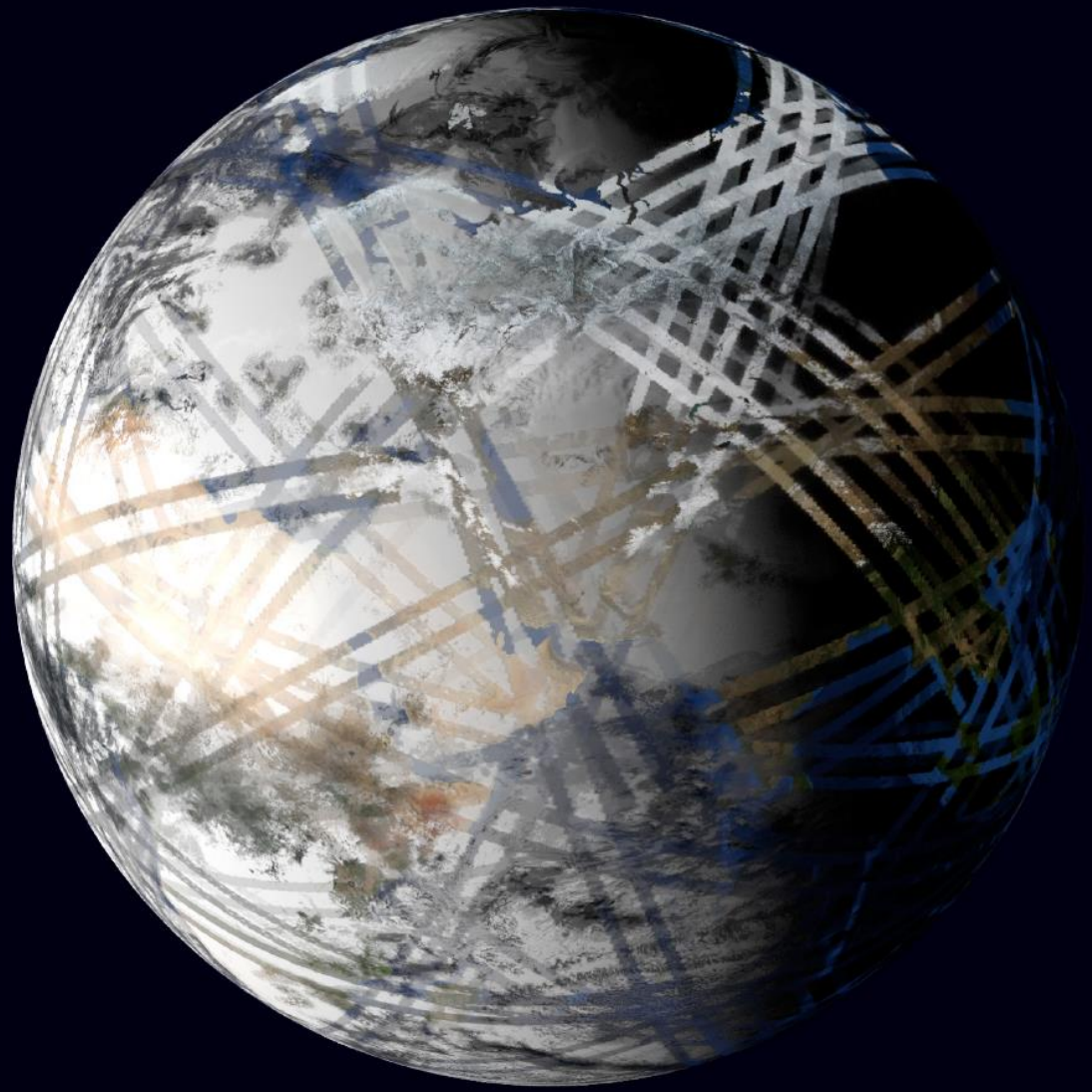
Off-the-shelf components and small size
100x lower cost per unit

Building satellites with standard off-the-shelf electronics is possible. Trading off small amount of reliability and lifetime allows for dramatic reduction of cost and quicker technolog update cycle.



Microsatellite constellation
Near real-time imaging with down to 1h response

Low cost of single unit makes it possible to create constellations of tens of satellites enabling massive improvement in temporal resolution.



Value chain and market focus

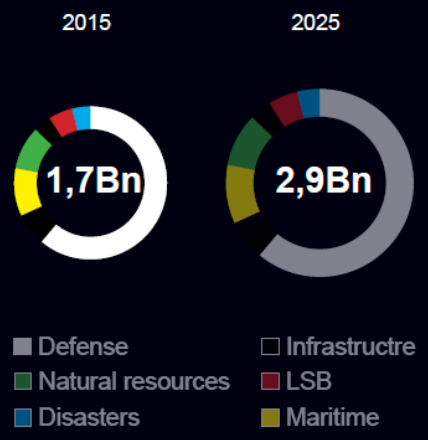
"Standard" New Space model

SENSOR | SATELLITE | CONSTELLATION | DATA SERVICES | ANALYTICS

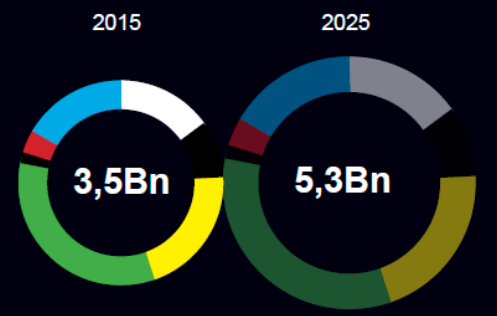
Unique and continuosly developing ICEYE instrument system vertically integrated to generate superior data and information products.

The satellite bus, launches and ground segment operations consist largely of procured or out-sourced components

2018-
Entry Market
EO Data provider

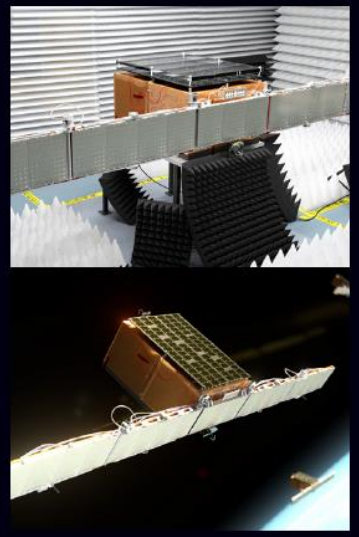


2021-
Full potential
Information products

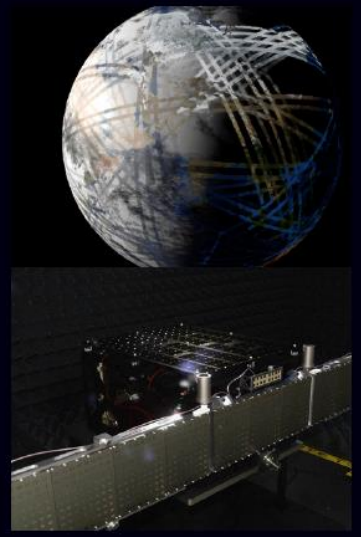


*Euroconsult Earth Observation Satellite Market 2025

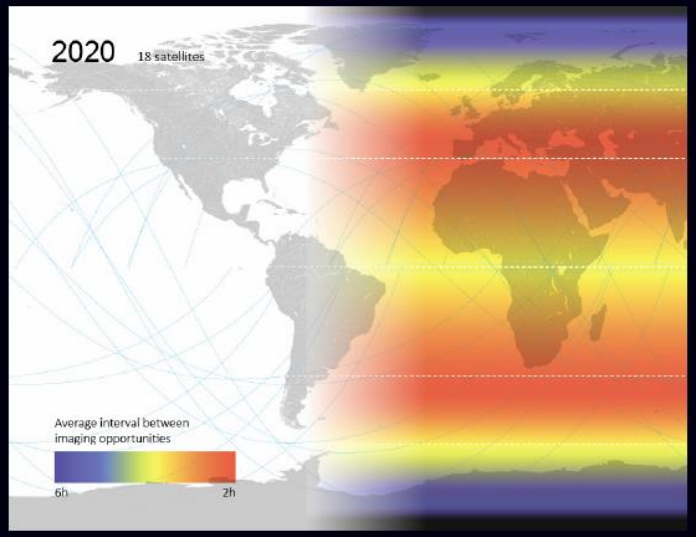
Timeline



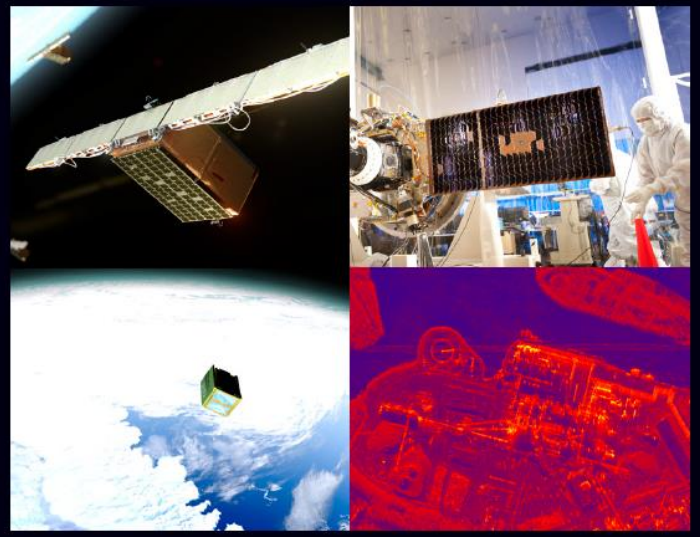
2017



2018



2019-2020



2021-2030

POC CAMPAIGN
3 launches
Demonstration operations
First service revenue

CONSTELLATION 1
18 satellites
4h average revisit globally
Analytics integration

NEXT GENERATION CONSTELLATIONS
Hours to minutes in timescale
Consumer applications
Broader spectrum of instruments